

REPORTS ON THE FLORA OF THE BOSTON
DISTRICT,—XLV.

COMPOSITAE.

BIDENS (*Continued*).

B. discoidea (T. & G.) Britton. Swamps and wet shores, frequent.

B. Eatoni Fernald. Brackish marshes and margins of Merrimac estuary at Salisbury and Newburyport.

B. Eatoni Fernald, var. **fallax** Fernald. With the species at Salisbury and Newburyport.

B. frondosa L. Wet soil, very common throughout.

B. hyperborea Greene, var. **colpophila** (Fernald & St. John) Fernald. Brackish muddy shore of the Merrimac River at Newburyport (*A. A. Eaton & M. L. Fernald*, Oct. 2, 1902). Specimen in herb. Gray. See RHODORA xx. 149, 1918.

B. laevis (L.) B S P. Wet soil; not reported from southern towns, but frequent elsewhere.

B. vulgata Greene. Wet places, frequent.

B. vulgata Greene, var. **puberula** (Wiegand) Greene. Roadside, Essex (*C. H. Knowlton*, October, 1909); waste ground, Brighton (*C. A. Weatherby*, Aug. 28, 1918); Boston (*C. H. Knowlton*, Sept. 13, 1906).

BOLTONIA.

B. ASTEROIDES (L.) L'Hér. Escaped from cultivation at Danvers, Wakefield, Cambridge, Arlington, Ayer and Scituate.

B. LATISQUAMA Gray. Dump near old Codman place, Dorchester (*N. T. Kidder*, Sept. 29, 1917).

BRAUNERIA.

B. PALLIDA (Nutt.) Britton. Near Prince's pickle factory off Great Plain Ave., Needham (*T. O. Fuller*, July 3, 1889). See RHODORA ii. 84-86, 1900.

[*Echinacea purpurea* (DC) Britton is reported from Lowell by Dr. C. W. Swan in Dame & Collins, Fl. Middlesex Co. 51, 1888; it is also reported from Acton by A. W. Hosmer in RHODORA i. 223, 1899; these specimens have not been accessible to the Committee for verification.]

CACALIA.

C. ATRIPLICIFOLIA L. Concord turnpike [Cambridge to Concord] (*C. E. Faxon*, Aug. 31, 1887). Specimen in herb. Gray.

C. SUAVEOLENS L. Newton (*W. G. Farlow*, Sept. 25, 1895). Specimen in herb. Gray.

CENTAUREA.

C. ADULTERINA Moretti. White-flowered form collected at Medford (*Mrs. P. D. Richards*, no date). Specimen in herb. N. E. Botanical Club. Native of southern Europe.

C. CYANUS L. Occasionally escaped from gardens.

C. DIFFUSA Lam. Dry hillside, Norfolk (*Miss R. L. Mann*, July 7, 1902; *J. R. Churchill*, Aug. 28, 1909); open roadside in hard gravel, Plainville (*R. A. Ware*, Aug. 7, 1909). Native of southeastern Europe and Asia Minor.

C. JACEA L. Lexington (*Mrs. P. D. Richards*, no date); Cliftondale, Saugus (*F. S. Collins*, Sept. 30, 1890); field, S. Hanover (*E. A. Josselyn*, June 28, 1905).

C. JACEA L., var. *LACERA* Koch. Waste places, rare; Bedford (*C. W. Jenks*, Oct. 7, 1906); Sherborn (*Miss M. L. Loomis*, Aug. 15, 1911); Marshfield (*C. H. Morss*, July, 1878).

C. MACULOSA Lam. Woolwaste and also in fields, Westford (*Miss E. F. Fletcher*, June 12, 1903 to July 19, 1914; *C. W. Swan*, Sept. 15, 1884); field recently cultivated, Dover (*F. W. Hunnewell*, Sept. 28, 1919).

C. MELITENSIS L. S. Boston (*C. E. Perkins*, Sept. 27, 1880). Specimen in herb. N. E. Botanical Club.

C. NIGRA L. Fields and waste places; occasional, often abundant.

C. NIGRA L., var. *RADIATA* DC. Field, Andover (*A. S. Pease*, June, 1900); W. Medford (*Mrs. P. D. Richards*, August, 1890).

C. SOLSTITIALIS L. Waste ground, Lynn (*L. A. Wentworth*, August, 1902). Specimen in herb. Gray.

C. VOCHINENSIS Bernh. Moist soil near river, Amesbury (*C. H. Knowlton*, October, 1904); grassland, Magnolia (*Cora H. Clarke*, Sept. 22, 1911).

CHAENACTIS.

C. GLABRIUSCULA DC. Woolwaste, N. Chelmsford (*W. P. Alcott*, 1878). Specimens in herb. Peabody Acad. Sci. and N. E. Botanical Club. Native in California from Sacramento southward.

CHRYSANTHEMUM.

C. BALSAMITA L., var. *TANACETOIDES* Boiss. Persistent in old gardens, rarely spreading.

C. LEUCANTHEMUM L. See RHODORA v. 181, 1903. Lawn weed at N. Easton.

C. LEUCANTHEMUM L., var. *PINNATIFIDUM* Lecoq & Lamotte. Fields and pastures, very common throughout.

C. CARINATUM Schousb. Roadside, Lynn (*Miss M. E. Ward*, Oct. 11, 1915). Specimen in herb. Gray. Native of Morocco.

C. PARTHENIUM (L.) Bernh. Garden escape at eight stations.

CICHORIUM.

C. INTYBUS L. Waste places, mostly in heavy soil; abundant in Cambridge since 1783, and in Boston at least since 1814; frequent elsewhere. See J. Robinson, Fl. Essex Co. 68, 1880.

CIRSIUM.

C. ALTISSIMUM (L.) Spreng. Waste ground near railway, Sherborn (*Miss M. L. Loomis*, Sept. 4, 1914).

C. ARVENSE (L.) Scop. Pastures and waste places, common.

C. CANUM (L.) Bieb. Kendall Green [Weston] (*Miss K. Parsons*, July 11, 1899). Specimens in herb. Gray.

C. discolor (Muhl.) Spreng. Frequent all along the coast, rarely inland.

C. horridulum Michx. See RHODORA xiii. 238, 1911. Swamps and brackish soil near the sea, from Plum Island to Marshfield, occasional. Introduced inland at Concord according to RHODORA i. 223, 1899. More frequent in southeastern Massachusetts.

C. LANCEOLATUM (L.) Hill. Waste places, common.

C. muticum Michx. Rich moist soil in woods and meadows, occasional.

C. muticum Michx., var. ***subpinnatifidum*** (Britton) Fernald. Purgatory swamp, Norwood (*C. E. Faxon*, no date). Specimen in herb. Gray.

C. PALUSTRE (L.) Scop. Vacant lot, S. Boston (*C. H. Knowlton & W. P. Rich*, July 29, 1908). Lot now covered by wool warehouse.

C. pumilum (Nutt.) Spreng. Dry fields and pastures, common.

CNICUS.

C. BENEDICTUS L. Waste heap, Cambridge (*T. Morong & W. Deane*, July 16, 1885). Specimen in herb. W. Deane.

COREOPSIS.

C. LANCEOLATA L. Escaped from garden into dry soil at Hingham (*C. H. Knowlton*, July 4, 1909).

C. rosea Nutt. Wet shores of ponds; Woburn, Winchester, Medford, Sudbury, Natick, Framingham, Norfolk. Especially abundant at Winter Pond, Winchester.

C. TINCTORIA Nutt. Roadside, Andover (*F. L. Mason & F. W. Grigg*, Sept. 30, 1911); cornfield, Wenham (*Walter Kemble*, July 12, 1877); waste ground, Sherborn (*Miss M. L. Loomis*, July 12, 1913).

C. TRIPTERIS L. Vacant lots, made land, Back Bay, Boston (*E. F. Williams*, Sept. 3, 1903). Specimen in herb. Gray.

COSMOS.

C. BIPINNATUS Cav. Dorchester, dump off Granite Ave. (*N. T. Kidder*, Oct. 7, 1919).

COTULA.

C. CORONOPIFOLIA L. Ballast, Chelsea (*H. A. Young*, Sept. 11, 1879); salt marsh, Chelsea (*C. E. Perkins*, August, 1880). Specimens in herb. Gray, N. E. Botanical Club and W. Deane.

CREPIS.

C. CAPILLARIS (L.) Wallr. Weed in lawns; Medford, Brighton, Wellesley, Milton, Franklin.

C. FOETIDA L. Woolen mill yard, Graniteville, Westford (*C. W. Swan*, Aug. 22, 1883). Native in Great Britain, central and southern Europe, southwestern Asia and northern Africa. Specimen in herb. N. E. Botanical Club.

C. TECTORUM L. Edge of sidewalk, Medford (*L. L. Dame*, August, 1898). Specimen in herb. N. E. Botanical Club.

C. VULGARIS Cass. S. Boston flats (*C. E. Perkins*, Aug. 22, 1879). Specimen in herb. N. E. Botanical Club. Native of the Mediterranean region.

DYSSODIA.

D. TENUILOBA (DC.) Robinson. S. Boston (*C. E. Perkins*, July 20, 1883). Specimen in herb. N. E. Botanical Club. A waif from southern Texas, along and near the Rio Grande.

ECHINOPS.

E. SPHAEROCEPHALUS L. Rubbish heap, Cambridge (*W. Deane*, Aug. 5, 1886); escaped from Fenway into vacant lots, Boston (*E. F. Williams*, Aug. 12, 1903 et seq.).

ECLIPTA.

E. ALBA (L.) Haussk. S. Boston flats (*C. E. Perkins*, Oct. 3, 1879). Specimens in herb. N. E. Botanical Club and N. T. Kidder.

ERECHTITES.

E. hieracifolia (L.) Raf. Meadows and borders of salt marshes, somewhat local. See RHODORA xix. 25-27, 1917, for the discussion of the following varieties.

E. hieracifolia (L.) Raf., var. **intermedia** Fernald. Open ground and waste places, frequent throughout.

E. hieracifolia (L.) Raf., var. **praealta** Fernald. Vide supra. Twelve scattered stations, the northwestern section not represented.

ERIGERON.

E. annuus (L.) Pers. Fields and roadsides, common throughout.

E. canadensis L. Fields, gardens and waste places, very common throughout.

E. philadelphicus L. Moist open woods, rare; Andover, N. Andover, Reading, N. Reading, Groton, Malden, Stony Brook Reservation, Milton: Hingham, according to T. T. Bouvé, in *Flora of Hingham*, 110, 1893.

E. pulchellus Michx. Fields and meadows, common throughout.

E. pusillus Nutt. See RHODORA xv. 205-209, 1913. Dry bank, Methuen (*F. W. Grigg*, Aug. 17, 1920); dunes, Plum Island, Ipswich (*F. W. Grigg*, Sept. 15, 1912); by bridge over Beaver Brook, Littleton (*J. P. Bill & F. W. Grigg*, Sept. 2, 1922); sandy soil, Pembroke (*M. L. Fernald*, Oct. 29, 1916); gravelly beach, Green Harbor, Marshfield (*C. H. Knowlton*, Aug. 25, 1923).

E. ramosus (Walt.) B S P. Dry fields and waste places, common throughout.

E. ramosus (Walt.) B S P., var. **discoideus** (Robbins) B S P. Occasional; specimens reported from Lexington, Ashland, Dover, Stoughton, Marshfield.

E. ramosus (Walt.) B S P., var. **septentrionalis** Fernald & Wiegand. RHODORA xv. 59-61, 1913. Cambridge (*F. S. Collins*, June 23, 1914); near Fresh Pond, Cambridge (*W. Deane*, June 25, 1882); Concord (*Horace Mann*, June, 1862).

EUPATORIUM.

E. aromaticum L. Dry open woods, rare; apparently frequent in Stony Brook and Blue Hill Reservations.

E. falcatum Michx. RHODORA xxii. 57-70, 157-165, 1920. Rich woods, rare; Ipswich, Revere, Middlesex Fells, W. Roxbury, Stony Brook Reservation, Readville, Blue Hill Reservation, Holliston, Marshfield.

E. perfoliatum L. Grassy swamps, common throughout.

E. perfoliatum L., forma **purpureum** Britton. Bull. Torr. Bot. Club xvii. 129, 1890. Three or four plants, near shores of Merrimac River a few miles below Haverhill (*Miss M. Blatchford*, Sept. 29, 1894); sandy margin of Winter Pond, Winchester (*C. A. Weatherby & M. L. Fernald*, Sept. 19, 1908.)

E. perfoliatum L., var. **truncatum** Gray. Beaver Brook, Dracut (*C. W. Swan*, Sept. 7, 1884); shore of Sandy Pond, Lincoln (*F. W. Grigg*, Sept. 17, 1913); by Baddacook Pond, Groton (*J. P. Bill & F. W. Grigg*, Sept. 2, 1921); S. Framingham (*Dr. E. L. Sturtevant*, Sept. 11, 1890). Specimens in herb. N. E. Botanical Club.

E. pubescens Muhl. Open woods and sandy soil, frequent, especially southward.

E. purpureum L. RHODORA xxii. 57-70, 157-165, 1920. Open woods and swamps, rare; Concord, Hopkinton, Stony Brook Reservation, Milton, Norfolk, Randolph.

E. rotundifolium L. Dry sandy soil. Georgetown (*Mrs. C. N. S. Horner*, no date); Saugus (*C. E. Faxon*, Aug. 18, 1879; *H. A. Purdie*, Oct. 7, 1902).

E. sessilifolium L. Dry rocky soil, occasional; rare in Essex and Plymouth Counties.

E. urticaefolium Reichard. Rich moist soil, usually in shade; occasional north and west of Boston, not reported south.

E. verbenaefolium Michx. Low ground, especially in mucky soil; rare in Essex and Middlesex Counties, frequent southward.

E. verticillatum Lam. RHODORA xxii. 57-70, 157-165, 1920. Swamps, meadows and wet woods, very common throughout.

FILAGO.

F. MINIMA Fries. Weed in cultivated ground, Reading (*W. H. Manning*, September, 1891). Specimen in herb. Gray. Adventive from Europe.

C. H. KNOWLTON	}	<i>Committee on Local Flora</i>
WALTER DEANE		

HIBISCUS OCULIROSEUS IN RHODE ISLAND.—The discovery of what appears to be *Hibiscus oculiroseus* Britton in a brackish swamp at Narragansett Pier, Rhode Island, may be an extension of range worth recording. On Aug. 19, 1917, the writer found several plants of this species sprinkled among hundreds of native Swamp Rose Mallow (*Hibiscus Moscheutos* L.), their *white petals* with *crimson bases* in striking contrast to the pink petals of the latter. Except for this color distinction the general appearance of the two species is similar, although there is a technical difference in the shape of the capsules and calyx lobes.

Manuals and local floras give the range of this species as S.E. New York, New Jersey and southward, and as far as the writer knows *Hibiscus oculiroseus* has not been reported from New England. There is no reason to believe that the plants were purposely introduced by man. At any rate *Hibiscus* is a sturdy genus, some species adapting themselves to fresh and brackish marshes as well as to the drier soil of gardens, and it is probable that these plants will continue to exist at this station, unless the entire swamp is destroyed by threatened dredging operations for the improvement of the neighborhood.

Specimen filed at the herbarium of the New England Botanical Club.—S. N. F. SANFORD, Boston, Mass.

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